

1 42140/RJP/E264

A METHOD OF DETERMINING AN END OF A TRANSMITTED FRAME IN A
FRAME-BASED COMMUNICATIONS NETWORK

5

ABSTRACT OF THE DISCLOSURE

A method of determining an end of a transmitted frame at a receiver on a frame-based communications network. An end of frame format for the transmitted frame is provided having an end of frame plurality of symbols. A received transmitted frame is filtered using filter coefficients matched to the end of frame plurality of symbols to provide a correlation sequence low-pass filtered signal. A squared magnitude of the correlation sequence is computed. The squared magnitude of the correlation sequence is low-pass filtered to provide a low-pass filtered correlation signal. The low-pass filtered correlation signal is delayed to provide a delayed low-pass filtered correlation signal. The delayed low-pass filtered correlation signal is multiplied by a fixed predetermined threshold to provide a multiplied correlation signal. The multiplied correlation signal is compared with the low-pass filtered correlation signal to provide a match/no match comparison indicative of the possible end of a transmitted frame.

RJP/cah

25 CAH PAS337423.1--3/26/01 2:40 PM

30

35